

Course □ Syllabus □
Math □ 668 □
Numerical □ Linear □ Algebra □
3 □ Credits □
Spring, □ 2008 □

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□ **Class meeting information:**

Class meets in 201 LDB, MWF 12:00-12:50.

□ **Instructor:** Andras Kroo

Office: 432 LDB **Office Phone:** 936-294-1574, e-mail: axk001@shsu.edu

□ **Office Hours:**

Monday 1:00-00 - 3:00

Wednesday 1:00 - 2:00 and, of course, by appointment.

□ **Course Description:**

Topics include solving of systems of linear equations, introduction to vector spaces, linear transformations and their basic properties, algebra of polynomials and polynomial ideals, determinants, analysis of eigenvalues, triangulable and diagonalizable linear transformations. Geometry of finite dimensional inner product spaces. Each class will be primarily lecture-oriented.

□ **Required Textbook:**

Linear Algebra by K. Hoffman and R. Kunze, 2nd edition.

We plan on covering Chapters 1-6 and 8 (excluding 3.6, 3.7, 5.5-5.7, 6.6-6.8).

□ **Attendance Policy:** Students are expected to attend every class.

I plan several quizzes, a midterm test and a Final.